

J T BAKER INC -- 1,10 PHENANTHROLINE, MONOHYDRATE, T170 -- 6810-00-300-6119

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Product Identification  
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Product ID:1,10 PHENANTHROLINE, MONOHYDRATE, T170

MSDS Date:05/01/1989

FSC:6810

NIIN:00-300-6119

MSDS Number: BVFKY

=== Responsible Party ===

Company Name:J T BAKER INC

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Info Phone Num:800-582-2537

Emergency Pho

ne Num:908-859-2151;800-424-9300(CHEMTREC)

CAGE:DO803

=== Contractor Identification ===

Company Name:J T BAKER INC

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:1-800-582-2537

CAGE:DO803

Company Name:MALLINCKRODT BAKER, INC.

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:800-582-2537

CAGE:70829

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Composition/Information on Ingredients  
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Ingred Name:1,10 PHENANTHROLINE, MONOHYDRATE (MFR RTEC #S

F8300000)  
CAS:5144-89-8  
RTECS #:SF8437000  
Fraction by Wt: 90-100%  
OSHA PEL:N/K  
ACGIH TLV:N/K

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50:(ORAL,RAT) 132 MG/KG.  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:SKIN/EYE CONTACT:IRRITATION.  
INGEST:MAY BE HARMFUL. CHRONIC:NONE IDENTIFIED.  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overex  
posure:SEE HEALTH HAZARDS.  
Medical Cond Aggravated by Exposure:NONE IDENTIFIED.

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===== First Aid Measures =====

First Aid:INGEST:CALL MD. IF SWALLOWED, IF CONSCIOUS, IMMEDIATELY  
INDUCE VOMITING. INHAL:REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE  
ARTF RESP. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SKIN:FLUSH  
W/WATER. EYES:IMMEDIATELY FLUSH W/PLENTY OF WATER FOR AT LEAST 15  
MINUTES.

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===== Fire Fighting Measures =====

Flash Point Method:CC  
Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING  
FIRE.  
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE  
EQUIPMENT .  
Unusual Fire/Explosion Hazard:NONE IDENTIFIED.

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===== Accidental Release Measures =====

Spill Release Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT CLTHG.  
WITH CLEAN SHOVEL, CAREFULLY PLACE MATL INTO CLEAN, DRY CONTAINER &  
COVER; REMOVE FROM AREA. FLUSH SPI

LL AREA W/WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED.  
SUITABLE FOR ANY GENERAL CHEMICAL STORAGE AREA.

Other Precautions:CAUSES IRRITATION. HARMFUL IF SWALLOWED. AVOID  
CONTACT W/EYES, SKIN, CLOTHING. DO NOT BREATHE DUST.

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Exposure Controls/Personal Protection  
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Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VE  
NTILATION

CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, USE AN  
APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR OR DUST MASK.

Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP  
FUME OR DUST LEVELS AS LOW AS POSSIBLE. VENT HOOD.

Protective Gloves:RUBBER GLOVES.

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:UNIFORM IS RECOMMENDED. LAB COAT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTUR

ER.

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Physical/Chemical Properties  
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Melt/Freeze Pt:M.P/F.P Text:208F,98C

Spec Gravity:1.1 (H\*2O=1)

Solubility in Water:SLIGHT (0.1-1%)

Appearance and Odor:SOLID, WHITE CRYSTALLINE POWDER; ODORLESS.

Percent Volatiles by Volume:0

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, IRON & OTHER HEAVY METALS.

Stability Condition to Avoid:NONE DOCUMENTED.

Hazardous Decompositio

n Products:OXIDES OF NITROGEN, CARBON MONOXIDE,  
CARBON DIOXIDE.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE I/A/W ALL APPLICABLE FEDERAL, STATE &  
LOCAL ENVIRONMENTAL REGULATIONS.

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